



## SEQUENCE LISTING

<110> IMAKAWA, Kazuhiko  
NAGAOKA, Kentaro  
WATANABE, Fumiko

<120> Regulator for Implantation

<130> 2005-0329A/WMC/01332

<140> 10/526,543

<141> 2005-03-03

<150> PCT/JP2003/011268

<151> 2003-09-03

<150> JP 2002-259268

<151> 2002-09-04

<160> 31

<170> PatentIn Ver. 2.0

<210> 1

<211> 1171

<212> DNA

<213> Ovis aries

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Met Asn Lys Ser Gly Phe Leu Ile Phe Cys Leu Ile Leu Leu Thr Leu  
1 5 10 15

agt caa ggc ata cct ctc tct agg aac aca cgc tgc acc tgc atc gag 155  
Ser Gln Gly Ile Pro Leu Ser Arg Asn Thr Arg Cys Thr Cys Ile Glu  
20 25 30

atc agt aat gga tct gtt aat cca agg tcc tta gaa aaa ctt gaa ctg 203  
Ile Ser Asn Gly Ser Val Asn Pro Arg Ser Leu Glu Lys Leu Glu Leu  
35 40 45

att cct gca agt caa tcc tgc cca cgt gtc gag att att gcc aca atg 251  
Ile Pro Ala Ser Gln Ser Cys Pro Arg Val Glu Ile Ile Ala Thr Met  
50 55 60

aaa agg aat ggg gag aaa aga tgt ctg aat cca gaa tct aag acc atc 299  
Lys Arg Asn Gly Glu Lys Arg Cys Leu Asn Pro Glu Ser Lys Thr Ile  
65 70 75 80

aag aat tta ctg aaa gca att aac aag caa agg act aaa aga tct cct 347  
Lys Asn Leu Leu Lys Ala Ile Asn Lys Gln Arg Thr Lys Arg Ser Pro  
85 90 95

cga aca cag aaa gag gca taa tcaactgcact actgataaga tggaccagag 398  
Arg Thr Gln Lys Glu Ala  
100

agaagctacc tctacaattg tttccctgtg tacagtatat gtcaagccct aattgttcgt 458

ggacttcagt tctcctaaaa ggtgaccaag ccagtcacca aatcagctgc tactactcct 518  
 gcaggggggag ggtggctcat caccctgagc tgttcagtag tgactctgcc ctggcactgt 578  
 gactgtaagc tataccgggg cgctacgttc tcagttaatg tgctaagtcc cagccttgct 638  
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 aagacaaata tgctaaatgc tttccaaaat aaaagtaatg ttctctccca gaaatactaa 1118  
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<210> 2  
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 <212> PRT  
 <213> Ovis aries

<400> 2  
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 1 5 10 15  
 Ser Gln Gly Ile Pro Leu Ser Arg Asn Thr Arg Cys Thr Cys Ile Glu  
 20 25 30  
 Ile Ser Asn Gly Ser Val Asn Pro Arg Ser Leu Glu Lys Leu Glu Leu  
 35 40 45  
 Ile Pro Ala Ser Gln Ser Cys Pro Arg Val Glu Ile Ile Ala Thr Met  
 50 55 60  
 Lys Arg Asn Gly Glu Lys Arg Cys Leu Asn Pro Glu Ser Lys Thr Ile  
 65 70 75 80  
 Lys Asn Leu Leu Lys Ala Ile Asn Lys Gln Arg Thr Lys Arg Ser Pro  
 85 90 95  
 Arg Thr Gln Lys Glu Ala  
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<210> 3  
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<220>  
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 to act as a primer for PCR

<400> 3

cactcctcaa ctcttcaggc 20

<210> 4  
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<220>  
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to act as a primer for PCR

<400> 4  
ccattccttt tcattgtggc 20

<210> 5  
<211> 20  
<212> DNA  
<213> Artificial Sequence

<220>  
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to act as a primer for PCR

<400> 5  
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<210> 6  
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<212> DNA  
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to act as a primer for PCR

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<210> 7  
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to act as a primer for PCR

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<210> 8  
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<210> 14  
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<212> DNA  
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to act as a primer for PCR

<400> 14  
atgtgggcca tgaggtccac 20

<210> 15  
<211> 20  
<212> DNA  
<213> Artificial Sequence

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<223> Description of Artificial Sequence:Oligonucleotide  
to act as a primer for PCR

<400> 15  
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<210> 16  
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<212> DNA  
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to act as a primer for PCR

<400> 16  
gaggatctcc acgtagcaga 20

<210> 17  
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<212> DNA  
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to act as a primer for PCR

<400> 17  
tgctgtgaac cagagtcgtc 20

<210> 18  
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<212> DNA  
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<223> Description of Artificial Sequence:Oligonucleotide

to act as a primer for PCR

<400> 18  
atccactgca cagctgtggc 20

<210> 19  
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to act as a primer for PCR

<400> 19  
gaagcaggaa agagagcctg 20

<210> 20  
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<212> DNA  
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<223> Description of Artificial Sequence:Oligonucleotide  
to act as a primer for PCR

<400> 20  
ctatatccgt ggctcctttc 20

<210> 21  
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<212> DNA  
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<223> Description of Artificial Sequence:Oligonucleotide  
to act as a primer for PCR

<400> 21  
ctcaaattcca gccacagcag 20

<210> 22  
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ccagcgaagt gaaacacagc 20

<210> 23  
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to act as a primer for PCR

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agattggaga cacggtgagc 20

<210> 24  
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to act as a primer for PCR

<400> 24  
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<210> 25  
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<212> DNA  
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<400> 25  
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<210> 26  
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to act as a primer for PCR

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<210> 27  
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<212> PRT  
<213> CAPRINE

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Met Asn Thr Ser Gly Phe Leu Ile Phe Cys Leu Ile Leu Leu Thr Leu  
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Ser Gln Gly Ile Pro Leu Ser Arg Asn Thr Arg Cys Thr Cys Ile Glu  
20 25 30

Ile Ser Asn Gly Ser Val Asn Pro Arg Ser Leu Glu Lys Leu Glu Leu  
35 40 45

Ile Pro Ala Ser Gln Ser Cys Pro Arg Val Glu Ile Ile Ala Thr Met  
50 55 60

Lys Arg Asn Gly Glu Lys Arg Cys Leu Asn Pro Glu Ser Lys Thr Ile  
65 70 75 80

Lys Asn Leu Leu Lys Ala Ile Asn Lys Gln Arg Thr Lys Arg Ser Pro  
85 90 95

Arg Thr Arg Lys Glu Ala  
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<210> 28  
<211> 98  
<212> PRT  
<213> HUMAN

<400> 28

Met Asn Gln Thr Ala Ile Leu Ile Cys Cys Leu Ile Phe Leu Thr Leu  
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Ser Gly Ile Gln Gly Val Pro Leu Ser Arg Thr Val Arg Cys Thr Cys  
20 25 30

Ile Ser Ile Ser Asn Gln Pro Val Asn Pro Arg Ser Leu Glu Lys Leu  
35 40 45

Glu Ile Ile Pro Ala Ser Gln Phe Cys Pro Arg Val Glu Ile Ile Ala  
50 55 60

Thr Met Lys Lys Lys Gly Glu Lys Arg Cys Leu Asn Pro Glu Ser Lys  
65 70 75 80

Ala Ile Lys Asn Leu Leu Lys Ala Val Ser Lys Glu Met Ser Lys Arg  
85 90 95

Ser Pro

<210> 29  
<211> 98  
<212> PRT  
<213> MOUSE

<400> 29

Met Asn Pro Ser Ala Ala Val Ile Phe Cys Leu Ile Leu Leu Gly Leu  
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Ser Gly Thr Gln Gly Ile Pro Leu Ala Arg Thr Val Arg Cys Asn Cys  
20 25 30



Ile His Ile Asp Asp Gly Pro Val Arg Met Arg Ala Ile Gly Lys Leu  
35 40 45

Glu Ile Ile Pro Ala Ser Leu Ser Cys Pro Arg Val Glu Ile Ile Ala  
50 55 60

Thr Met Lys Lys Asn Asp Glu Gln Arg Cys Leu Asn Pro Glu Ser Lys  
65 70 75 80

Thr Ile Lys Asn Leu Met Lys Ala Phe Ser Gln Lys Arg Ser Lys Arg  
85 90 95

Ala Pro

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Gly Arg Gly Asp Ser Pro Lys

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<400> 31

Arg Gly Glu Ser